Figure 8

A triplet insertion in a *ahpC* restores growth to a *trxB gor* double mutant

A

wt AhpC

```
TGGAGCGGTGTCGTTCTTCTACCCGGGCTGACTTTACTTTCGTATGCCCG
 W   S   V  F  F  F  Y  P  A  D  F  T  F  V (C) P
33                                              47
```

AhpC*

```
TGGAGCGTGTCGTTCTTCTCACCCGGGCTGACTTTACTTTCGTATGCCCG
 W   S   F  F  F  Y  P  A  D  F  T  F  V (C) P
33                                            48
```

B

```
E. coli        32  RWSVFFFYPADFTEVCPTELGDVADHYEELQK
S. typhi       32  RWSVFFFYPADFTEVCPTELGDVADHYEELQK
P. putida      32  KWSVVFFYPADFTEVCPTELGDLADNYAEFQK
S. mutans      32  KWAVFCFYPADFSFVCPTELGDLQEQYATLQS
B. subtilis    32  QWSVFCFYPADFSFVCPTELEDLQEQYAALKE
S. aureus      34  SWSVVCFYPADFSFVCPTELEDLQNQYEELQK
T. pallidum    33  SWAVFMFYPADFTFVCPTELADLARVVPSFVE
A. aeolicus    50  KWVILFYPADYTFVCPTELADLAEKYDELKE
HUMAN_TSA      36  KYVVLFFYPLDFTFVCPTEIIAFTTVKRTSAK
```